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NEWS 22 Feb 24 PCTGEN now available on STN  
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NEWS 31 Apr 14 MEDLINE Reload  
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced  
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NEWS 35 Apr 28 RDISCLOSURE now available on STN  
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names  
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NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded  
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated  
NEWS 39 May 16 CHEMREACT will be removed from STN  
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA  
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and

right-truncation  
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 43 Jun 06 PASCAL enhanced with additional data

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=> s deer velvet  
L1 22 DEER VELVET

=> dup rem l1  
PROCESSING COMPLETED FOR L1  
L2 13 DUP REM L1 (9 DUPLICATES REMOVED)

=> d ibib abs

L2 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:736406 CAPLUS  
DOCUMENT NUMBER: 137:258524  
TITLE: Preparation of yeast transformed with cDNA encoding  
**deer velvet** antler for the  
production of efficient pharmacological ingredients  
INVENTOR(S): Bae, Hyun-Su

PATENT ASSIGNEE(S): Purimed Co., Ltd., S. Korea  
 SOURCE: PCT Int. Appl., 21 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074958	A1	20020926	WO 2001-KR892	20010526
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG US 2003100066 A1 20030529 US 2002-240797 20021004 PRIORITY APPLN. INFO.: KR 2001-5536 A 20010206 WO 2001-KR892 W 20010526				

AB This invention provides transgenic yeast which is transformed with cDNA of

**deer velvet** antler for efficient prodn. of pharmacol. ingredients. The invention also discloses methods of sep. mRNA from **deer velvet** antler having pharmaceutical effect, prepg. cDNA from mRNA, constructing cDNA library, and prodn. of yeast strain contg. cDNA library. Therefore, this invention provides an efficient method for developing medicine.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

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=> d ibib 2

L2 ANSWER 2 OF 13 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.  
 ACCESSION NUMBER: 2002296052 EMBASE  
 TITLE: Op-Ed: To use or not to use **deer velvet** antler: Informed decision making is vital.  
 AUTHOR: Abascal K.; Yarnell E.  
 CORPORATE SOURCE: K. Abascal, Botanical Medicine Academy, Vashon, WA, United States  
 SOURCE: Alternative and Complementary Therapies, (2002) 8/4 (205-206).  
 ISSN: 1076-2809 CODEN: ACTHFZ  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal; (Short Survey)  
 FILE SEGMENT: 017 Public Health, Social Medicine and Epidemiology  
 LANGUAGE: English

=> d ibib 3

L2 ANSWER 3 OF 13 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.  
 ACCESSION NUMBER: 2002201959 EMBASE  
 TITLE: Op ed: **Deer velvet** antler. Problems and botanical alternatives.

AUTHOR: Suttie J.M.  
 CORPORATE SOURCE: Dr. J.M. Suttie, AgResearch Ltd., Mosgiel, New Zealand  
 SOURCE: Alternative and Complementary Therapies, (2002) 8/3  
 (136-140).  
 Refs: 35  
 ISSN: 1076-2809 CODEN: ACTHFZ  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal; General Review  
 FILE SEGMENT: 030 Pharmacology  
 037 Drug Literature Index  
 052 Toxicology  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

=> d ibib 4

L2 ANSWER 4 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 ACCESSION NUMBER: 2002:591105 BIOSIS  
 DOCUMENT NUMBER: PREV200200591105  
 TITLE: Proceedings of the Waikato Clinical School Research  
 Seminar, September 20, 2001.  
 AUTHOR(S): Anonymous  
 SOURCE: New Zealand Medical Journal, (September 13, 2002) Vol.  
 115,  
 No. 1161 Cited October 15, 2002, pp. No Pagination.  
<http://www.nzma.org.nz/journal/115-1161/177/content.pdf>  
 cited October 29, 2002 <http://www.nzma.org.nz/journal/>.  
 online.  
 Meeting Info.: Proceedings of the Waikato Clinical School  
 Research Seminar September 20, 2001 Waikato Clinical  
 School  
 . ISSN: 0028-8446.  
 DOCUMENT TYPE: Conference  
 LANGUAGE: English

=> d ibib 5

L2 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1  
 ACCESSION NUMBER: 2000:718989 CAPLUS  
 DOCUMENT NUMBER: 134:96372  
 TITLE: Toxicological evaluation of New Zealand **deer**  
**velvet** powder. Part I: acute and subchronic  
 oral toxicity studies in rats  
 AUTHOR(S): Zhang, H.; Wanwimolruk, S.; Coville, P. F.;  
 Schofield,  
 J. C.; Williams, G.; Haines, S. R.; Suttie, J. M.  
 CORPORATE SOURCE: School of Pharmacy, Natural & Complementary Medicine  
 Research, University of Otago, Dunedin, N. Z.  
 SOURCE: Food and Chemical Toxicology (2000), 38(11), 985-990  
 CODEN: FCTOD7; ISSN: 0278-6915  
 PUBLISHER: Elsevier Science Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR  
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 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
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=> d ibib 6

L2 ANSWER 6 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
2

ACCESSION NUMBER: 1999:122244 BIOSIS  
DOCUMENT NUMBER: PREV199900122244  
TITLE: **Deer velvet** antler: Some unanswered  
questions of toxicology.  
AUTHOR(S): Dalefield, R. R.; Oehme, F. W.  
CORPORATE SOURCE: Comparative Toxicology Laboratories, Kansas State Univ.,  
Manhattan, KS 66506-5606 USA  
SOURCE: Veterinary and Human Toxicology, (Feb., 1999) Vol. 41, No.  
1, pp. 39-41.  
ISSN: 0145-6296.  
DOCUMENT TYPE: Article  
LANGUAGE: English

=> d abs 6

L2 ANSWER 6 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
2

AB **Deer velvet** antler is marketed as a remedy for a wide  
range of disorders. However, there is a lack of information in the  
scientific literature to support these claims, and there is also a lack  
of  
information on potential toxicity. Areas of potential concern include  
drug  
residues, possible deleterious androgenic effects on fetuses and neonates  
and allergic reactions.

=> d 7 ibib abs

L2 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:746656 CAPLUS  
DOCUMENT NUMBER: 127:336627  
TITLE: Method of preparing **deer velvet**  
antlers for making rantorin and pantocrin  
INVENTOR(S): Novokhatskij, Aleksandr S.; Kondratev, Vitalij S.;  
Ryzhkova, Galina I.  
PATENT ASSIGNEE(S): Gosudarstvennyj Institut Krovezamenitelej I  
Meditinskikh Preparatov, Russia  
SOURCE: Russ. From: Izobreteniya 1997, (18), 66.  
CODEN: RUXXE7  
DOCUMENT TYPE: Patent  
LANGUAGE: Russian  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RU 2082407	C1	19970627	RU 1994-23826	19940630
PRIORITY APPLN. INFO.:			RU 1994-23826	19940630
AB Title only translated.				

=> d 8 ibib abs

L2 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:162085 CAPLUS

DOCUMENT NUMBER: 128:286247

TITLE: Aspects of the standardization of the drug pantocrin.  
1. Evaluation of the hypotensive action of individual components

AUTHOR(S): Vereshchagin, A. L.; Pogodaeva, N. N.; Gorshkov, A. G.; Semenov, A. A.

CORPORATE SOURCE: Limnolog. Inst., SO RAN, Irkutsk, Russia

SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1997), 31(11), 53-56

CODEN: KHfZAN; ISSN: 0023-1134

PUBLISHER: Izdatel'stvo Folium

DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB Pantocrin is an antihypertensive agent prepd. from the velvet antlers of deer. A series of extns. of various components of the pharmaceutical natural product showed that the antihypertensive activity resides in fraction IIIg.

=> d 9 ibib abs

L2 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS

DUPLICATE 3

ACCESSION NUMBER: 1995:266287 CAPLUS

DOCUMENT NUMBER: 122:24573

TITLE: Effects of insulin-like growth factor-I (IGF-I) and IGF-II on the growth of antler cells in vitro

AUTHOR(S): Sadighi, M.; Haines, S. R.; Skottner, A.; Harris, A. J.; Suttie, J. M.

CORPORATE SOURCE: AgResearch, Invermay Agricultural Centre, Mosgiel, 50034, N. Z.

SOURCE: Journal of Endocrinology (1994), 143(3), 461-9

CODEN: JOENAK; ISSN: 0022-0795

PUBLISHER: Journal of Endocrinology

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The effects of insulin-like growth factors -I and -II (IGF-I and -II) on the growth of undifferentiated (fibroblast zone) cells from the growing tip of red deer velvet antlers and from cells 1.5 cm distal to the growing tip (cartilage zone) were investigated in primary cell culture. The addn. of IGF-I or IGF-II to the medium of cultures preincubated in serum-free medium for 24 h increased the rate of [3H]thymidine uptake in a dose-dependent manner in both cell types, with maximal stimulation occurring when 1 nM-30 nM was added. The addn. of IGF-II to the incubation medium contg. IGF-I did not cause a further increase in [3H]thymidine uptake in either cell type over and above each growth factor alone, indicating that there were unlikely to be synergistic

effects of IGF-II on the mitogenicity of IGF-I. Binding studies were carried out using 3 times 10<sup>5</sup> fibroblast zone cells and cartilage zone cells after they had been incubated in serum-free medium for 24 h. 125I-labeled IGF-I (10<sup>-9</sup> M) in a final vol. of 200 µL was added to each

culture and incubation carried out at 4 degree. for a further hour. 125I-labeled IGF-I bound specifically to both fibroblasts and cartilage zone cells; binding was displaced by both unlabeled IGF-I and by IGF-I antibody. These findings indicate that IGF-I and IGF-II are important mediators for antler growth in vitro and suggest that in view of correlations between IGF-I and antler growth, IGF is functionally

significant in controlling velvet antler growth in vivo.

=> d 10 ibib abs

L2 ANSWER 10 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1994:403041 BIOSIS  
DOCUMENT NUMBER: PREV199497416041  
TITLE: Study on the nutritive value of velvet antler by major producing districts.  
AUTHOR(S): Ahn, B. H.  
CORPORATE SOURCE: Dep. Dairy Sci., Coll. Agric., Gyeongsang Natl. Univ. South Korea  
SOURCE: Korean Journal of Animal Nutrition & Feedstuffs, (1994) Vol. 18, No. 3, pp. 173-178. ISSN: 1011-2294.  
DOCUMENT TYPE: Article  
LANGUAGE: Korean  
SUMMARY LANGUAGE: Korean; English  
AB This experiment was carried out to investigate the effects of velvet antler on performance and blood cholesterol concentration of rat and amino acid and mineral concentration of velvet antler. 0.3% of velvet antler of Sika, Formosan and Red deer was supplemented to basal diet, respectively. Crude protein of velvet antler ranged from 50.89 to 64.59% and that of Red deer was higher than that of Sika deer. Crude ash of velvet antler was 31.78-39.95% and that of Sika deer was higher than that of Red deer. Crude protein concentration in organic matter of velvet antler was 85-95%. Body weight gain, feed intake and feed efficiency were not influenced by the supplementation of velvet antler but blood cholesterol concentration of rat was significantly ( $P < 0.01$ ) decreased by the supplementation of velvet antler. However, no significant difference was found in the blood cholesterol concentration between kinds of velvet antler. Velvet antler contained more leucine, lysine, arginine, aspartic acid, glutamic acid, proline, glycine and alanine than other amino acids. Amino acid composition in velvet antler of Formosan deer was slightly higher than those of Sika and Red deer. Velvet antler contained higher Ca, P, Fe and Zn than other minerals, and mineral compositions in velvet antler of Sika deer were higher than those of Formosan and Red deer.

=> d 11 ibib abs

L2 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 4  
ACCESSION NUMBER: 1995:236744 CAPLUS  
DOCUMENT NUMBER: 122:1695  
TITLE: Prostaglandins from sika deer velvet antlers  
AUTHOR(S): Isai, S. V.; Ivankina, N. F.; Kafanova, T. V.; Yelyakov, G. B.  
CORPORATE SOURCE: Tikhookean. Inst. Bioorg. Khim., Vladivostok, Russia  
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1994), 28(7), 60-3  
CODEN: KHFZAN; ISSN: 0023-1134  
PUBLISHER: Izdatel'stvo Folium  
DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB Sika deer velvet antlers contained prostaglandins A, E, and F, mainly PGF1.alpha. and PGF2.alpha.. This may explain some of the pharmacol. properties of deer antler velvet.

=> d 12 ibib abs

L2 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1978:126250 CAPLUS

DOCUMENT NUMBER: 88:126250

TITLE: Pharmacologically effective components of antler (Cervus nippon taiouanus). IV. Detection of prostaglandins of antler velvet layer

AUTHOR(S): Kim, Young Eun; Lee, Seung Ki; Lee, Myoung Hee

CORPORATE SOURCE: Coll. Pharm., Seoul Natl. Univ., Seoul, S. Korea

SOURCE: Han'guk Saenghwa Hakhoechi (1977), 10(1), 1-12

CODEN: KBCJAK; ISSN: 0368-4881

DOCUMENT TYPE: Journal

LANGUAGE: Korean

AB Fresh antlers were cut, frozen and mech. sepd. into spongy bone layer and velvet layer. The prostaglandin-like components were extd. from the antler velvet layer. The prostaglandins detected were PGE2 [363-24-6], 15-epi-PGE1 [20897-91-0], PGF1.alpha. [745-62-0], PGF1.beta. [10164-73-5]. The petroleum ether fraction contained mostly the PGE series and the Et2O fraction contained the PGF series. One major prostaglandin-like component of antler velvet layer was the main compd.

in the petroleum ether ext. The structure of this compd. is still unknown but the gas liq. chromatog. data suggest that it is a hydroxy fatty acid.

=> d 13 ibib abs

L2 ANSWER 13 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1978:20747 BIOSIS

DOCUMENT NUMBER: BR14:20747

TITLE: STUDIES ON THE EFFECTS OF DEER VELVET ON GROWTH OF ANIMALS PART 2 EFFECTS OF VELVET ON THE GROWTH

OF INTERNAL ORGANS AND BLOOD PICTURE OF CHICKEN.

AUTHOR(S): BAE D-S

SOURCE: Han'guk Ch'uksan Hakhoechi, (1976 (RECD 1977)) 18 (5), 342-348.

CODEN: HGCHAG. ISSN: 0367-5807.

FILE SEGMENT: BR; OLD

LANGUAGE: Unavailable

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